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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/697,123B

DATE: 01/22/2002

TIME: 09:46:20

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\01222002\I697123B.raw

ENTERED

3 <110> APPLICANT: ERUME BIOTECH CO., LTD.

5 <120> TITLE OF INVENTION: rpoB gene fragments and a method for the diagnosis and identification of

6 Mycobacterium tuberculosis Mycobacterial strains

8 <130> FILE REFERENCE: PUS-001027

10 <140> CURRENT APPLICATION NUMBER: US 09/697,123B

11 <141> CURRENT FILING DATE: 2000-10-27

13 <150> PRIOR APPLICATION NUMBER: KR 1999-46795

14 <151> PRIOR FILING DATE: 1999-10-27

16 <160> NUMBER OF SEQ ID NOS: 26

18 <170> SOFTWARE: PatentIn version 3.0

20 <210> SEQ ID NO: 1

21 <211> LENGTH: 208

22 <212> TYPE: DNA

23 <213> ORGANISM: Mycobacterium gordonae I

25 <400> SEQUENCE: 1

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30 ccatcgagta cctgggtcgc ctgcacgagg gccagcacac gatgaccgtc ccgggcggca 180
32 ccgaggtgcc ggttgagacc gacgacat 208

35 <210> SEQ ID NO: 2

36 <211> LENGTH: 208

37 <212> TYPE: DNA

38 <213> ORGANISM: Mycobacterium gordonae II

40 <400> SEQUENCE: 2

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45 ccatcgagta cctgggtcgc ctgcacgagg gtcagtcggc gatgaccggt cccggcggcg 180
47 ccgaggtgcc ggttgagacc gacgacat 208

50 <210> SEQ ID NO: 3

51 <211> LENGTH: 208

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53 <213> ORGANISM: Mycobacterium gordonae III

55 <400> SEQUENCE: 3

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58 gcctgcacgt cggcgatccg atcaccagct ccacgctgac cgaagaagac gtcgtcgcca 120
60 ccatcgagta cctgggtcgc ctgcacgagg gtcagcacac gatgaccgtt ccgggcggca 180
62 ccgaggttcc ggttgagacc gacgacat 208

65 <210> SEQ ID NO: 4

66 <211> LENGTH: 207

67 <212> TYPE: DNA

68 <213> ORGANISM: Mycobacterium gordonae IV

70 <400> SEQUENCE: 4

71 tcaaggagaa gcgctacgac ctggcccgtg tcggccgcta caaggtcaac aagaagotgg 60

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73 gcctgcatgt cggcgatccg atcaccagct cgacgctgac cgaagaggac gtcgtcgcca 120
75 ccatcgagta cctgggccgc ctccacgagg gtcagcacac gatgacgttc cgggcgggac 180
77 cgaggttccg gtggagaccg acgacat 207
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81 <211> LENGTH: 208
82 <212> TYPE: DNA
83 <213> ORGANISM: Mycobacterium tuberculosis
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88 ggctgcatgt cggcgagccc atcacgtcgt cgacgctgac cgaagaagac gtcgtggcca 120
90 ccatcgaata tctgggccgc ttgcacgagg gtcagaccac gatgaccgtt cgggcgggac 180
92 tcgaggtgcc ggtggaaacc gacgacat 208
95 <210> SEQ ID NO: 6
96 <211> LENGTH: 208
97 <212> TYPE: DNA
98 <213> ORGANISM: Mycobacterium terrae
100 <400> SEQUENCE: 6
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105 ccatcgaata tctgggccgc ttgcacgagg gtcagaccac gatgaccgtt cgggcgggac 180
107 tcgaggtgcc ggtggaaacc gacgacat 208
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111 <211> LENGTH: 214
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113 <213> ORGANISM: Mycobacterium chelonae
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120 tcgccaccat cgggtacctg gtgcgcctgc acgagggcca gaccacgatg accgcccgcg 180
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127 <212> TYPE: DNA
128 <213> ORGANISM: Mycobacterium kansasii
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141 <211> LENGTH: 223
142 <212> TYPE: DNA
143 <213> ORGANISM: Mycobacterium scrofulaceum
145 <400> SEQUENCE: 9
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150 ccatcgaata cctgggccgc ctgcaccacg cccgtacgga tggccagccc gccgtcatga 180
152 ctgtccccgc cggcatcgag gtgccggtgg agaccgacga cat 223
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156 <211> LENGTH: 208
157 <212> TYPE: DNA
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163 gcctgaacgc cggccagccc atcaccagct cgacgctgac cgaggaagac gtcgtcgcca      120
165 ccatcgaata cctgggtccgc ttgcacgagg gccagaccgc gatgaccgct ccgggcgggtg      180
167 tcgaggtgcc ggtcgagacc gacgacat                                     208
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172 <212> TYPE: DNA
173 <213> ORGANISM: Mycobacterium marinum
175 <400> SEQUENCE: 11
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180 ccatcgaata cctgggtccgc ttgcacgagg gccagaccgc gatgaccgct ccgggcgggtg      180
182 tcgaggtgcc ggtcgagacc gacgacat                                     208
185 <210> SEQ ID NO: 12
186 <211> LENGTH: 207
187 <212> TYPE: DNA
188 <213> ORGANISM: Mycobacterium szulgai
190 <400> SEQUENCE: 12
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193 tctgaacgtc ggcgagccga tcaccagttc gacgctgacc gaagaggatg tcgtcgccac      120
195 catcgagtac ctggttcggc tgcacgaggg ccagaccacg atgaccgttc ccggcggcac      180
197 cgaggtgccg gtggagaccg acgacat                                     207
200 <210> SEQ ID NO: 13
201 <211> LENGTH: 223
202 <212> TYPE: DNA
203 <213> ORGANISM: Mycobacterium gastri
205 <400> SEQUENCE: 13
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208 gcctgaacac cgatcatccg atcaccacca cgacgctgac cgaagaagac gtcgtcgcca      120
210 ccatcgagta cctgggttcgc ctgcaccacg cctctcaggg tggccaggcc cccgttatga      180
212 ctgtccccgg cggggtcgag gtgcoggtgg aaaccgaoga cat                                     223
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217 <212> TYPE: DNA
218 <213> ORGANISM: Mycobacterium malmoeense
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223 ggctgccggc ggccgagtcg gccgtacccg cctcgaccac gctgaccgaa gcggatgtcg      120
225 tcgccaccat cgagtacctg gtgcgcctgc acgagggccg ggcaacgatg acggttcccc      180
227 gcggcgtcga ggtgccgggt gagaccgacg acat                                     214
230 <210> SEQ ID NO: 15
231 <211> LENGTH: 208
232 <212> TYPE: DNA
233 <213> ORGANISM: Mycobacterium avium
235 <400> SEQUENCE: 15

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236 tcaaggagaa gcgctacgac ctggcccggg tgggccgcta caaggtaaac aagaagctcg      60
238 gcctgcacgc cggtagccg atcaccagct cgacgtgac cgaggaagac gtcgtcgcca      120
240 ccatcgagta cctggtgcgc ctgcacgagg gtcagccac gatgaccgtc cccggcggca      180
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246 <211> LENGTH: 208
247 <212> TYPE: DNA
248 <213> ORGANISM: Mycobacterium bovis
250 <400> SEQUENCE: 16
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255 ccatcgagta tctggtccgc ttgcacgagg gtcagaccac gatgaccgtt ccggcggcg      180
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261 <211> LENGTH: 208
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263 <213> ORGANISM: Mycobacterium celatum
265 <400> SEQUENCE: 17
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270 ccatcgagta cctggtccgc ctgcacgagg gccacaccac gatgaccgtc ccggcgggag      180
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277 <212> TYPE: DNA
278 <213> ORGANISM: Mycobacterium flavescens
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285 ccaccatga gtacctggtg cggctgcac agggcgacaa gacgatgacc gtcccgggtg      180
287 ggtcgaggt gccgctcgag gtcgacgaca t                                     211
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292 <212> TYPE: DNA
293 <213> ORGANISM: Mycobacterium fortuitum
295 <400> SEQUENCE: 19
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308 <213> ORGANISM: Mycobacterium intracellulare
310 <400> SEQUENCE: 20
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313 gcctgcacgc gggcagccg atcaccagct cgacgtgac cgaggaagac gtcgtcgcca      120
315 ccatcgagta cctggtgcgc ctgcacgagg gccagcccac gatgaccgtc cccggcatcg      180
317 aggtgccggt ggagaccgac gacat                                     205

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330 tcgccaccat cgagtacctg gtgcgcctgc acgagggcca gaccacgatg accgcccccg      180
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336 <211> LENGTH: 208
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338 <213> ORGANISM: Mycobacterium africanum
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345 ccatcgaata tctgggtccg ttgcacgagg gtcagaccac gatgatcggt ccgggcggcg      180
347 tcgaggtgcc ggtggaaacc gacgacat                                     208
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360 ccatcgagta cctgggtccg ctgcatgagg gtcagtcgac gatgaccgtt ccaggtggcg      180
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366 <211> LENGTH: 208
367 <212> TYPE: DNA
368 <213> ORGANISM: Mycobacterium xenopi
370 <400> SEQUENCE: 24
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373 ggctgaacac cgagaatgcg ccaaccacca cgaccctgac cgaagaggac gtcgtcgcca      120
375 ccatcgaata cctgggtgag ttgcacgagg ggcacgccac gatgaaggtc cccggtggcg      180
377 tcgaggtgcc ggtggagacc gacgacat                                     208
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381 <211> LENGTH: 19
382 <212> TYPE: DNA
383 <213> ORGANISM: Artificial Sequence
385 <220> FEATURE:
386 <223> OTHER INFORMATION: Chemically synthesized PCR amplification primer for amplifying
the rpoB
387         region of Microbacterial species
389 <400> SEQUENCE: 25
390 tcaaggagaa gcgctacga                                     19
393 <210> SEQ ID NO: 26
394 <211> LENGTH: 20
395 <212> TYPE: DNA
396 <213> ORGANISM: Artificial Sequence

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